

ABSTRACT OF THE DISCLOSURE

The invention provides a method of diagnosing a lubricated portion which can precisely measure a metal concentration in a lubricating oil and can diagnose accurately a state of the lubricated portion on the basis of a value of measurement. In accordance with the present diagnosing method, a lubricating oil picked up from the lubricated portion is diluted by an organic solvent so as to prepare a sample oil, the sample oil is filtrated by a filter so as to separate a large-diameter metal particle having a particle diameter larger than $0.5\text{ }\mu\text{m}$, a metal concentration of a solution formed by dissolving the large-diameter metal particle by an acid and a metal concentration of a filtrate including a small-diameter metal particle having a particle diameter equal to or smaller than $0.5\text{ }\mu\text{m}$ is measured in accordance with the inductively coupled plasma analysis, a wear depth in the lubricated portion is determined on the basis of the respective metal concentrations of the solution and the filtrate, and a wear state of the lubricated portion is diagnosed on the basis of a rate of change of the wear depth in accordance with a time elapse.